

B. K. ELLIOTT company



CAPS-JEFFREE

MICROFILM ENLARGERS

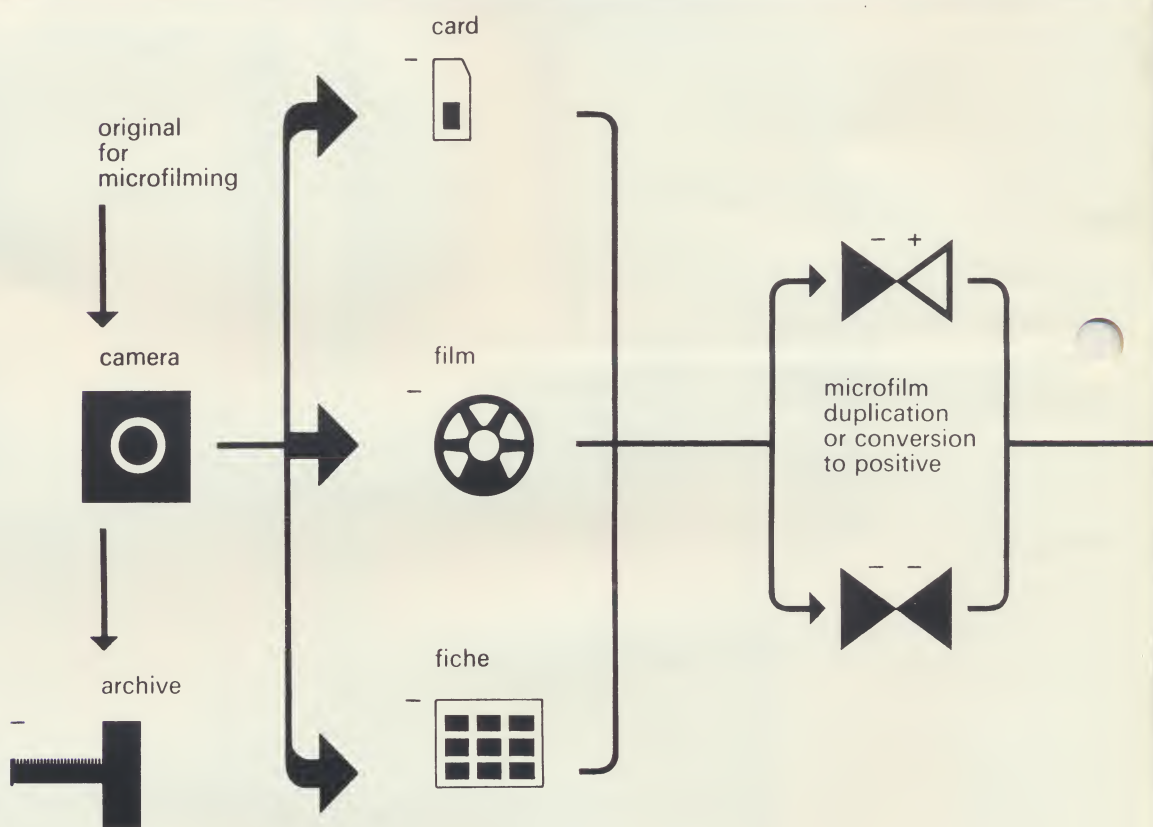
FOR LOW COST MICROFILM PRINTOUT ON
A WIDE VARIETY OF DIAZO PRODUCTS

B. K. ELLIOTT co. presents...

CAPS- JEFFREE

MICROFILM ENLARGERS

Caps-Jeffree Enlargers represent a significant breakthrough in microfilm recovery by producing prints on low-cost diazo papers and many other materials. As the world's first variable enlargement microfilm printer, it provides more versatile retrieval than existing microfilm systems. These enlargers print on a wide selection of materials... with speed, accuracy and flexibility not now within the scope of comparable equipment.



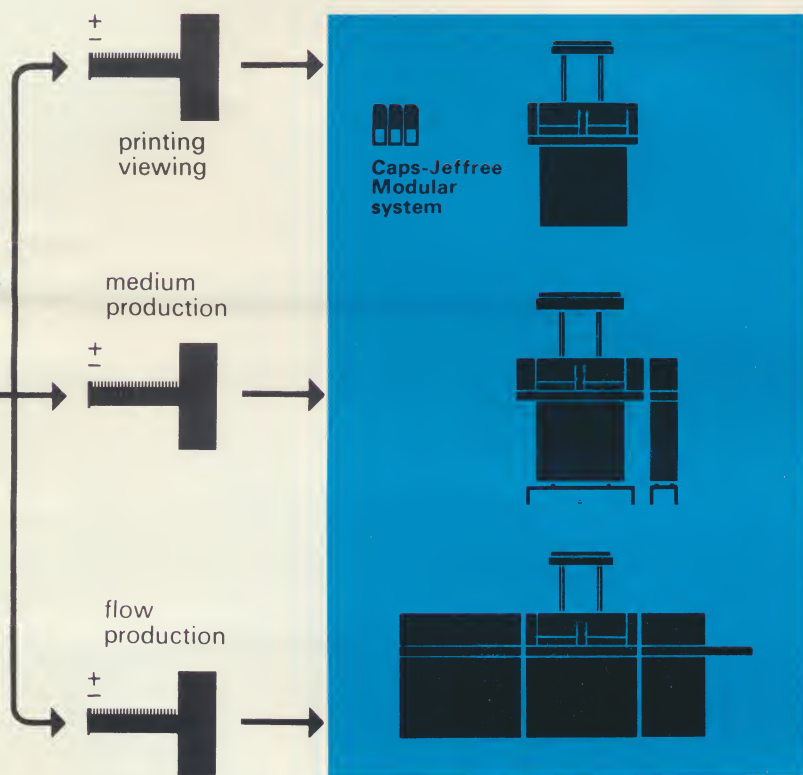
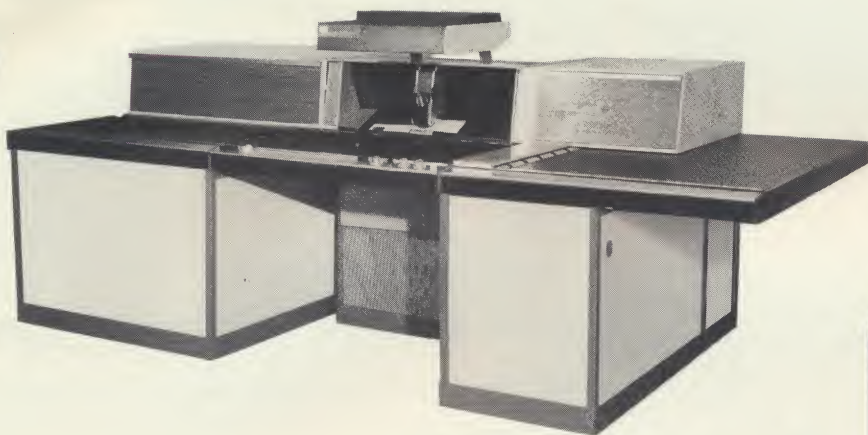
advantages:

VERSATILE—Makes prints from positive or negative 16mm and 35mm roll film, microfiche and aperture cards. Caps-Jeffree Enlargers are available in any selection of modules to suit your specific requirements—from manual feeding of film and print paper, through automatic film input, paper feed, exposure and development of prints.

COST SAVINGS—Compared with electrostatic enlargers, Caps-Jeffree, using diazo, reduces print costs up to 75%. Compared with conventional white-print systems substantial material savings can be realized by the use of Caps-Jeffree Enlargers.

SIMPLE OPERATION—Anyone in your organization can become a Caps-Jeffree operator with only a few hours training. Down time on Caps-Jeffree equipment is virtually non-existent. Simplicity of design makes one weekly clean-up all that is necessary.

VARIABLE ENLARGEMENT—A magnification range of 6x through 25¾x produces prints of any size from 7½" x 10" through 30" x 40" quickly and easily on the materials shown in the extreme right column. The projection head can be moved through the enlargement range in approximately 10 seconds.



PRINT QUALITY—Microfilm retrieval by the Caps-Jeffree System produces sharp, clean, highly-readable prints. Modern microfilming techniques produce legible prints from originals once considered not suitable for microfilm printout.

HIGH PRODUCTION—Exposure times will vary with the model and enlargement ratio used. With the new B. K. Elliott projection diazo papers, letter size prints are exposed in the range of 4-6 seconds. Larger printout time is approximately 45 seconds for a 24" x 36" print.

diazo paper

BKE projection diazo paper is a low-cost reproduction medium that fits nearly every need. With the Caps-Jeffree Enlarger you can make prints from microfilm in sizes best suited for your particular requirements—engineering applications, office use, conference or discussion aids and accounting work sheets.

diazo translucency

BKE diazo sepia paper can be exposed on the Caps-Jeffree to produce translucent prints. These can be used as second originals for multiple print-out, engineering revisions and a variety of other uses.

diazo specialties

The complete line of BKE diazo specialties can be used on the Caps-Jeffree. Foils, cloth, polyester base, special translucent materials and other products are included in this line for use in special applications.

photographic papers

Line and continuous tone silver emulsion products, distributed by B. K. Elliott, are easily exposed on the Caps-Jeffree. The use of these products allows you to take advantage of photo-drafting techniques in conjunction with your microfilm system.

Kalvar film

Kalvar materials have the advantages of heat development, good tonal range and high resolution. Kalvar film is a high-contrast material for transmitted light and is therefore particularly useful for slide projection.

Kalvar paper

The only non-reversing low-contrast material is Kalvar paper. It is particularly suitable for the reproduction of X-rays from microfilm records.

offset masters

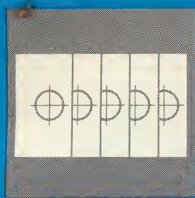
The Ellco-Lith line of sensitized paper, acetate and metal offset plates can be exposed on Caps-Jeffree Enlargers. After normal processing, plates are ready for runs of small, medium or extremely large print requirements.

silk screen stencils

The Caps-Jeffree makes the production of stencils possible by projection.

sensitized lacquers

For the cheap production of printed circuits in small quantities sensitized lacquers may be exposed on the Caps-Jeffree.



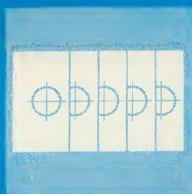
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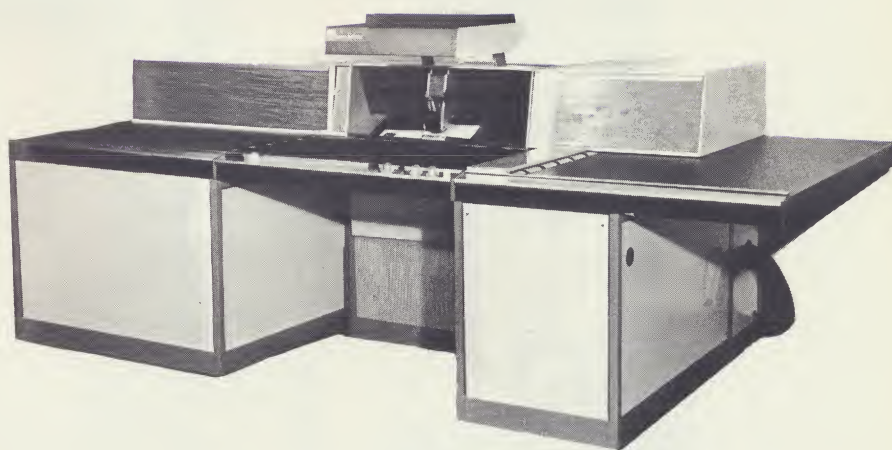
CAPS-JEFFREE

MICROFILM ENLARGERS

FOR LOW COST MICROFILM PRINTOUT ON
A WIDE VARIETY OF DIAZO PRODUCTS



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CAPS-JEFFREE
MODULAR SPECIFICATIONS



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Caps-Jeffree Modular specification

print sizes

print sizes given in inches

maximum 1 microfilms exposed to fill the area inside the tapes of an aperture card 2 DOD filming minimum	20 x 30	24 x 36	30 x 40
1 microfilms exposed to fill the area inside the tapes of an aperture card 2 A size drawing filmed at DOD specification of 20x	20 x 30	22 x 34	22 x 34
	7 x 9½	7 x 9½	7 x 9½
	2½ x 3½	2½ x 3½	2½ x 3½

enlargement range

16mm and fiche 35mm (same size reproduction)	6x-24x	6x-24x	6x-25½x
1 from drawings sizes : microfilms exposed to fill the area inside the tapes of an aperture card 2 DOD specification, filming of sizes :	6x-20x ABC	6x-24x ABCDT	6x-25½x ABCDTF
	20 x 30	24 x 36	30 x 40
	ABC	ABCDT	ABCDT

m

printer/viewer
production printer

1	2	3
4	5	6

t

standard
flow

1	2	3
4	5	6

flow tables should be considered as additions to the paper dispenser unit

p

paper dispenser
manual
automatic

1	2	3
4	5	6

4 size selector control panel

d

gas
heat
semi-dry
utility

1	2	3
4	5	6
7	8	9
10	11	12

s

size control mechanism
manual
automatic

included in all models m1-6

i

microfilm input units
manual card, film, fiche
automatic card
automatic film
automatic film
automatic fiche
automated card
automated film

1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6

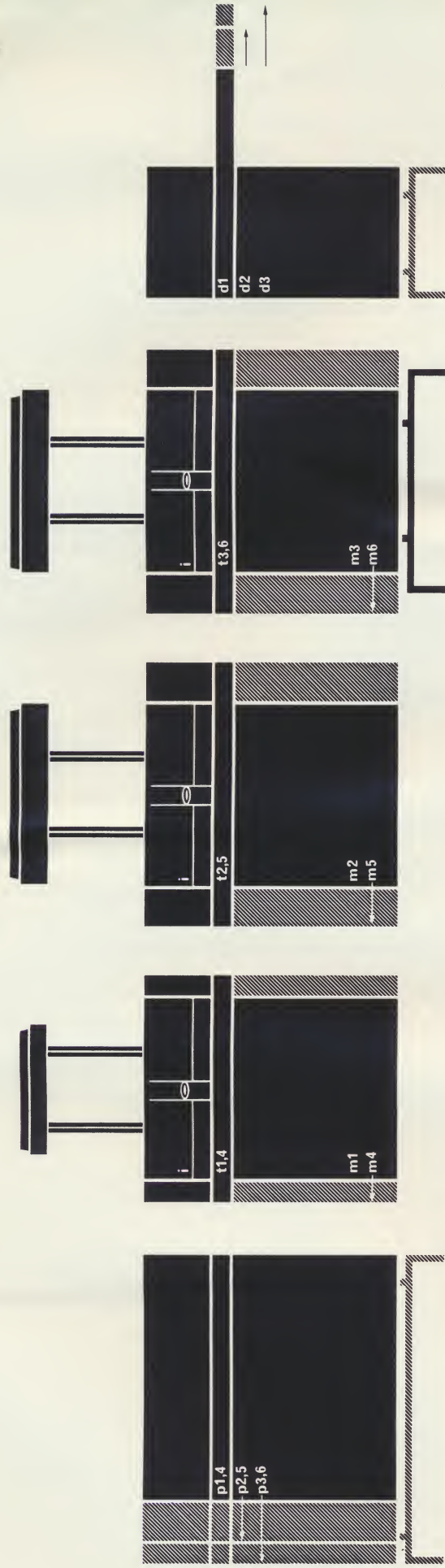
gate control for EAM cards, microfiche and strip film (included in all models m1-6)
single step and repeat button
two direction variable speed drive control
two direction variable speed drive control and step and repeat button
fiche holder and two direction control
photo-cell sensor for card print programme
single frame photo-cell sensor and selector

e

exposure unit
automatic
automatic

1	1	1
2	2	2

dial setting and push button operation
auto-adjusted to enlargement ratio and paper sensitivity
two dial control and starter button



input modules



control modules



SIMPLE STEPS FOR SELECTING THE RIGHT MODULAR UNIT FOR YOUR SYSTEM

The new Caps-Jeffree Microfilm Enlargers represent the first modular system in the micro-reproduction field. Starting with the basic low-cost-printer-viewer, a user may, by employing changeover units, increase his print-out size up to the maximum of 30 x 40". A manually operated model may be converted into a high production unit with automatic controls and ultimately into a fully automated print production system. Thus, the microfilm user is free to develop his system based upon his requirements and his print volumes. The options offered are shown on the inside pages of this brochure and would be selected as follows:

First, decide what maximum print size you will need - three sizes are available; 20 x 30", 24 x 36", and 30 x 40". This will determine which of the three columns shown inside the brochure should be used to select modules.

If your microfilm print-out will be very limited in volume, install a 200 watt Printer/Viewer. As your volume grows, the machine can be converted into a 500 watt Production Printer.

The printer must be equipped with a copyboard or table. Manual machines use Standard tables; automated machines use Flow tables.

Do you plan to change enlargement ratios? An Automatic Size Control Mechanism allows you to select print size by turning a knob.

The Caps-Jeffree requires an Exposure Unit. If you do not intend to change enlargement ratios, install an E 1 Exposure Unit. If you do plan to change ratios, an E 2 Exposure Unit will adjust the exposure automatically as the print size changes.

The above four modules (Model, Table, Size Control, Exposure Unit) make up a manually-operated Caps-Jeffree. For example, suppose you want prints up to 24 x 36", have a high printing volume, and plan to change print sizes. Your selection of modules would be: A Model M5 Production Printer, a Standard T2 Table, an Automatic S1 Size Control, and an E2 Exposure Unit.

You can use any developer with a Caps-Jeffree, but if you want to automate your unit, you will need an attached Developer.

Paper Dispensers are available in manual or automatic models. With the automatic dispensers, you will need a Flow table.

With an automatic Dispenser, Flow table and Developer, the Caps-Jeffree will feed the proper size print paper, position it on the table, control the exposure, and send the print through the developer.

All that remains now is to automate the Microfilm Input - rolls, aperture cards, or microfiche. Input units are available either automatic (under operator control) or automated (no operator required). Completely automated and programable units can be custom-built to fit your particular requirements.

Still confused? No wonder, when you consider that print-out is just one step in a microfilm system. The B. K. Elliott Company will work with you to plan your system - starting at the microfilm camera and carrying through to the final print-out. May we help you?

 **B. K. ELLIOTT company**
536 PENN AVENUE PITTSBURGH PENNSYLVANIA 15222
BRANCHES IN: CLEVELAND DETROIT BUFFALO BIRMINGHAM ORLANDO
MATERIALS / EQUIPMENT / SYSTEMS FOR ENGINEERING GRAPHICS MANAGEMENT

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Pittsburgh, Pa.



YES, I AM INTERESTED IN A DEMONSTRATION OF

DATE _____

HAVE YOUR REPRESENTATIVE CALL ME IN ☐ ONE WEEK ☐ TWO WEEKS ☐ THREE WEEKS

OTHER INTERESTS: ☐ MICROFILM SYSTEMS ☐ DRAFTING ROOM SYSTEMS

☐ SURVEYING INSTRUMENTS ☐ ENGINEERING AND DRAFTING TOOLS

☐ REPRODUCTION DEPARTMENT SUPPLIES ☐ OTHER _____

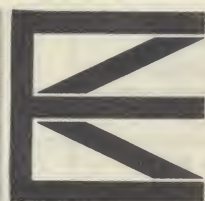
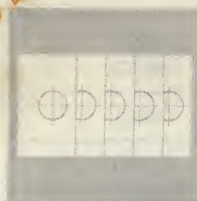
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NATURE OF BUSINESS _____



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CAPS EQUIPMENT PRICE LIST

CAPS-JEFFREE MICROFILM ENLARGERS

B. K. E. CAT. NO.	STANDARD MODEL	COMPONENTS	UNIT PRICE
1954-1	M1 Caps-Jeffree Enlarger	M1-200 Watt Printer (24X) T1-20 x 30" Table E1-Manual Exposure Control	\$6505
1954-2	M2 Caps-Jeffree Enlarger	M2-200 Watt Printer (24X) T2-24 x 36" Table E1-Manual Exposure Control	\$6762
1954-3	M3 Caps-Jeffree Enlarger	M3-200 Watt Printer(25-3/4X) T3-30" x 40" Table E1-Manual Exposure Control	\$7021
1954-4	M4 Caps-Jeffree Enlarger	M4-500 Watt Printer (24X) T1-20 x 30" Table E2-Auto. Exposure Control S1-Motorized Size Control	\$7297
1954-5	M5 Caps-Jeffree Enlarger	M5-500 Watt Printer (24X) T2-24 x 36" Table E2-Auto. Exposure Control S1-Motorized Size Control	\$7555
1954-6	M6 Caps-Jeffree Enlarger	M6-500 Watt Printer (25-3/4X) T3-30 x 40" Table E2-Auto. Exposure Control S1-Motorized Size Control	\$7814
1954-7	M7 Caps-Jeffree Enlarger	M4-500 Watt Printer (24X) T4-20 x 30" Flow Table E2-Auto. Exposure Control S1-Motorized Size Control D1-Automatic Developer P1-Paper Dispenser I1-Card Changer	\$16,770
1954-8	M8 Caps-Jeffree Enlarger	M5-500 Watt Printer T5-24 x 36" Flow Table E2-Auto. Exposure Control S1-Motorized Size Control D2-Automatic Developer P2-Paper Dispenser I1-Card Changer	\$17,675
1954-9	M9 Caps-Jeffree Enlarger	M6-500 Watt Printer T6-30 x 40" Flow Table E2-Auto. Exposure Control S-1 Motorized Size Control D3 Automatic Developer P3 - Paper Dispenser I1-Card Changer	\$18,520

Special variations are available by quotation and special order only. This should be discussed with your B. K. Elliott Company Microfilm Representative.

Paper Dispensers, Flow Tables, Attached Developers, and Automatic Film Inputs are available. These units are all built on a modular basis and will "plug in" to the standard machines to convert them to either automatic (under operator control) or automated (no operator required) printers.

CAPS-JEFFREE DEVELOPERS

BKE CAT. NO.	MODEL NO.	DEVELOPMENT	MAXIMUM PRINT SIZE	UNIT PRICE
1960-1	D 1	Ammonia	20 x 30"	\$2625
1960-2	D 2	Ammonia	24 x 36"	\$2760
1960-3	D 3	Ammonia	30 x 40"	\$2925

CAPS-JEFFREE FILM INPUTS

BKE CAT. NO.	MODEL NO.	DESCRIPTION	UNIT PRICE
1965-0	I 0	Manual roll-film drive	\$ 175
1959-1	I 1	Motorized Card Changer	\$ 1985
1959-2	I 2	Motorized roll-film drive	\$ 1280

CAPS-JEFFREE PAPER DISPENSERS

BKE CAT. NO.	MODEL NO.	DESCRIPTION	UNIT PRICE
1956-1	P 1	20 x 30" max. size Paper Dispenser	\$ 2870
1956-2	P 2	24 x 36" max. size Paper Dispenser	\$3045
1956-3	P 3	30 x 40" max. size Paper Dispenser	\$3260

All prices f. o. b. Shipping Point

Prices subject to change without notice